

A horizontal photograph of a landscape. In the foreground, there is a field of purple flowers. In the background, there are green hills under a clear blue sky.

Audubon CA Landowner Stewardship Program

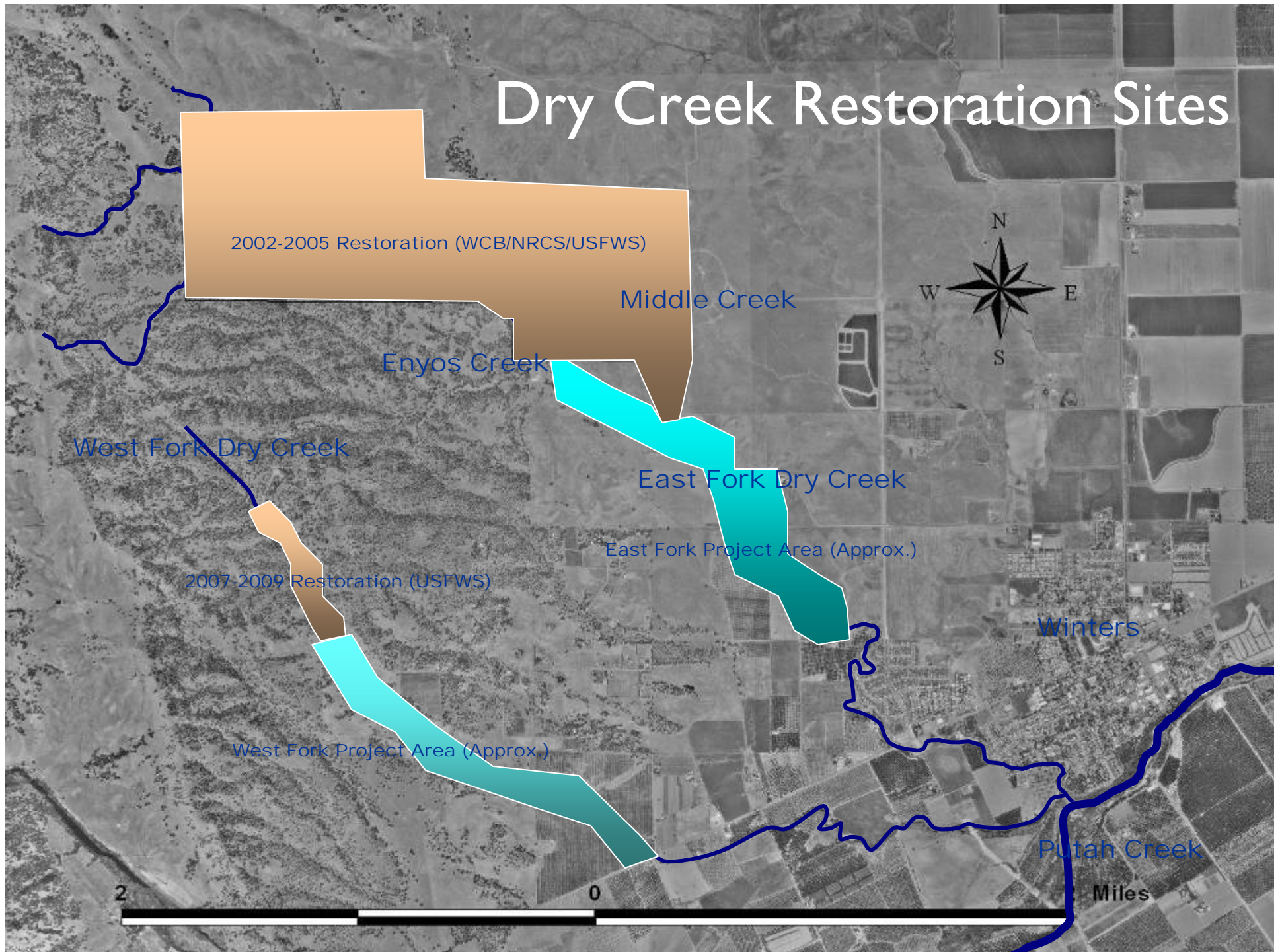


- Restoration with Private Landowners
 - 55 projects covering ~55,000 acres
- Audubon Bobcat Ranch
- Colusa Almond Orchards
- Imperial Valley/Salton Sea

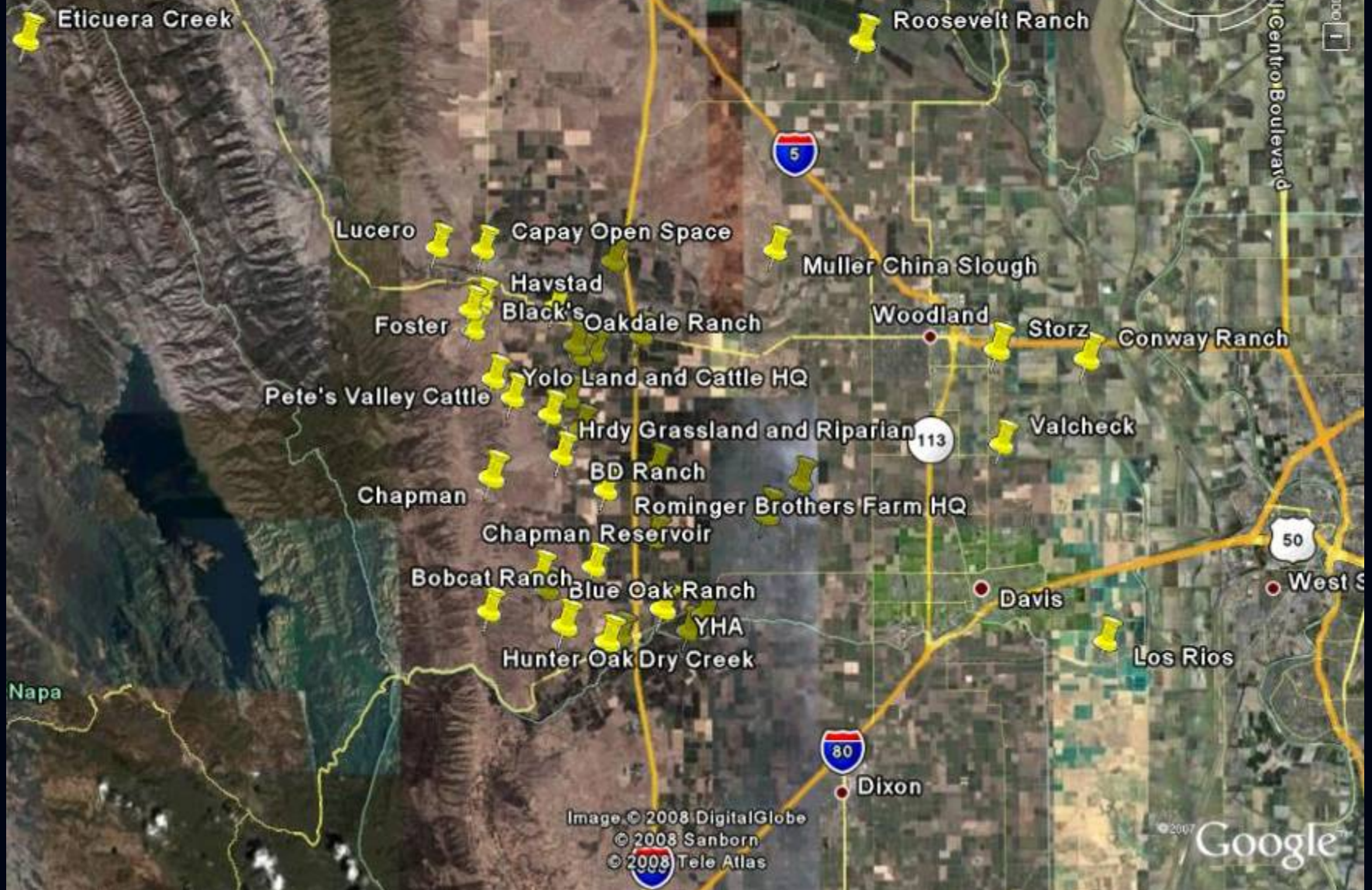


- Progressive neighbors doing groundbreaking projects
- Leave the Ranch in a better condition than when started
- Have the big picture (clean air, clean water, wildlife, open spaces, a healthy, stable, sustainable environment)
- Pride in ownership
- A passion for land stewardship for future generations

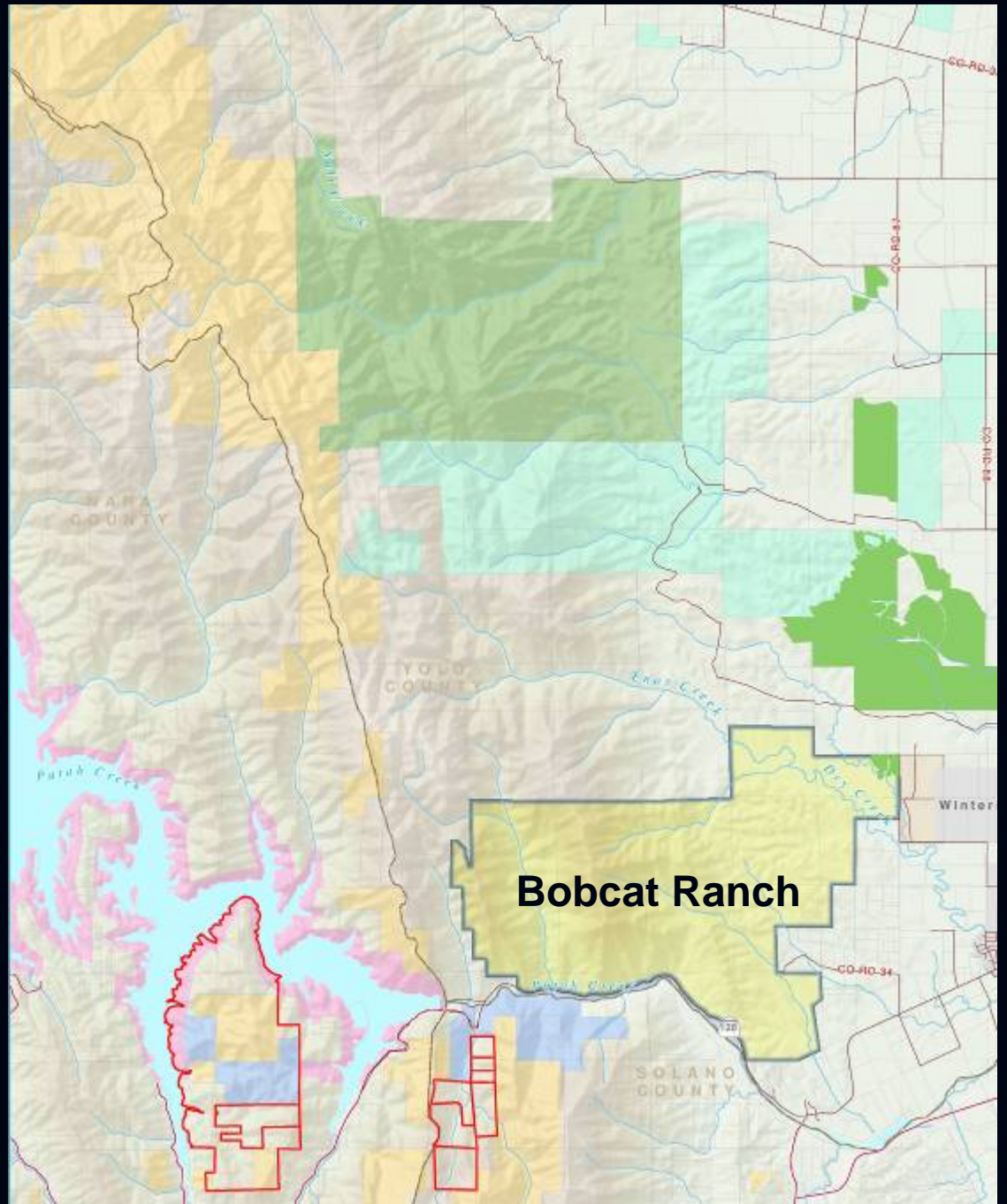
Dry Creek Restoration Sites



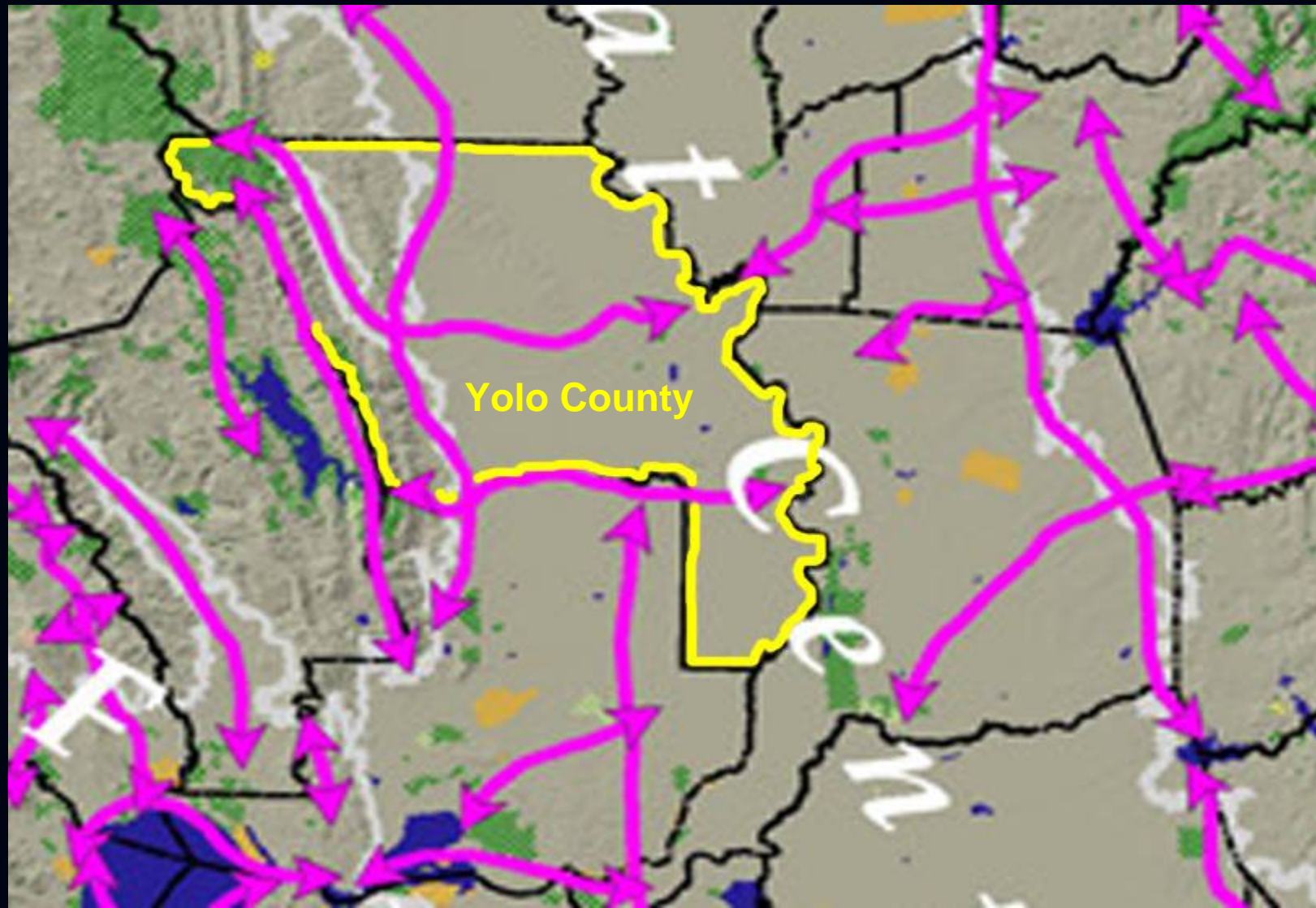
Yolo/Solano/Napa Sites



Habitat Connectivity



Landscape Connectivity





Science

- Science agenda
- Roosevelt Ranch—bird surveys
- Tri-colored blackbird conservation
- Tomato/wildland—bird surveys
- Ag/wildland impact studies
- Measurable restoration





- SLEWS education
- Bobcat Ranch
- Farm on Putah Creek
- Website: <http://ca.audubon.org/lsp>
- Landowner Based Workshops



- Beneficial plantings for pollinators and birds
- Alteration to restoration plans
- Work with farmers and ranchers statewide
- Research collaboration with Xerces/UCB





Yolo County Safe Harbor Agreement

- Covers incidental take for Valley Elderberry Longhorn Beetle and Giant Garter Snake
 - Enhancement of survival permit from FWS administered by Audubon as third party
- Sign-up includes establishing baseline
- Neighbors can sign up and be covered
- Developed with Sustainable Conservation, USFWS, DFG and local landowners



Select Program Partners

- Farmers, Ranchers and Landowners
- Yolo, Solano, Colusa, Dixon RCDs
- Natural Resources Conservation Service
- Center for Land-Based Learning
- Research Institutions—UCD, UCB, MSU, ARS
- Lower Putah Creek Coordinating Committee
- UC Cooperative Extension
- Cal Fire
- Yolo and Imperial Valley Farm Bureau



Yolo-Solano Conservation Partnership

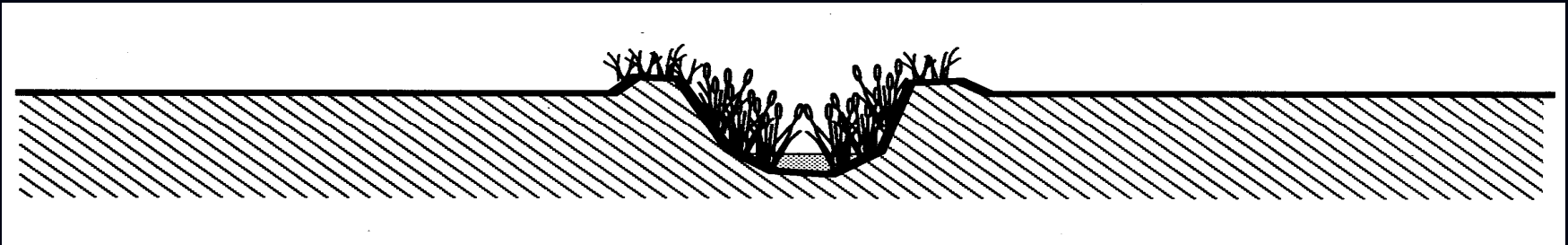
- Landscape Scale Conservation
- Barriers Reduction—permit coordination, SHA
- Private Lands Restoration
 - Sacramento Perch, Giant Garter Snake
 - Riparian, Canals, Pond Enhancements
- Research
 - Ecosystem Services
 - GGS
 - Sacramento Perch
- Adapting stewardship/partner model to new locales

Oakdale Ranch Riparian Levee Setback

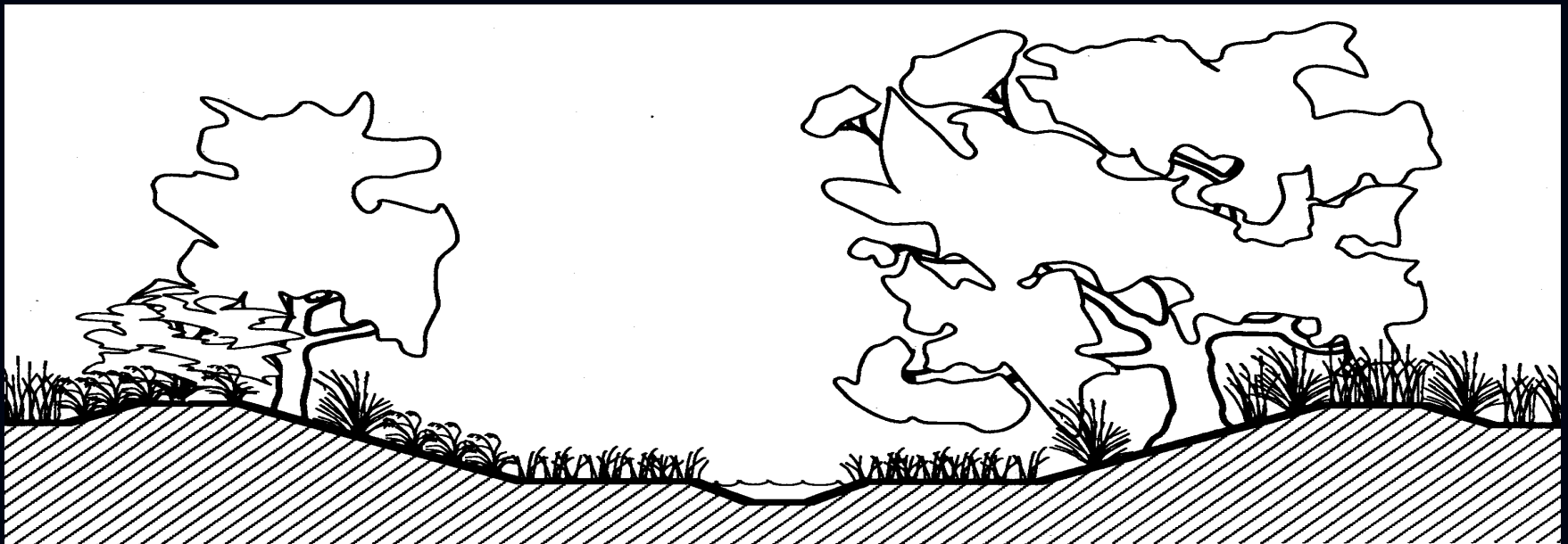


Conceptual Drawing—Levee Setback

Before



After



Broadcast Seeding

➤ Slope Mix

Same as bench mix w/
Purple Needle Grass (*Nassella pulchra*)

➤ Lower Bench Mix

Creeping Wildrye (*Leymus triticoides*)

Blue Wildrye (*Elymus glaucus*)

Meadow Barley (*Hordeum brachyantherum*)

Slender Wheatgrass (*Elymus trachycaulus*)



Straw Mulching and Crimping



- Reduce Erosion
- Improve Soil Moisture
- Augment Seeding

Planting Trees and Shrubs



SLEWS



February



Plug Planting/Habitat Enhancements



March



Irrigation Installation



Site Maintenance/Monitoring



Techniques:

- Mowing, weed whacking
- Spot spraying, wicking
- Hand Weeding

One year post implementation

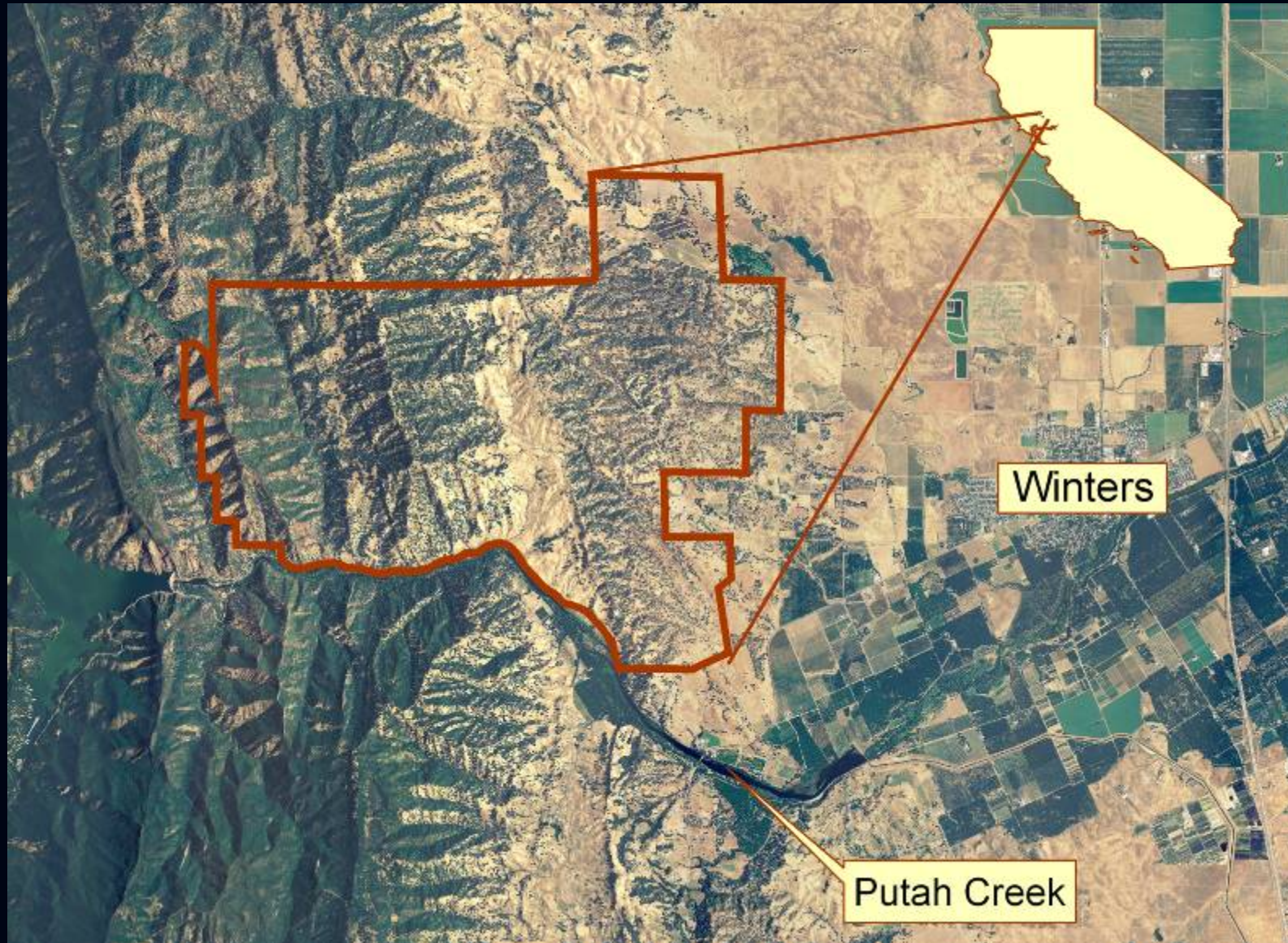




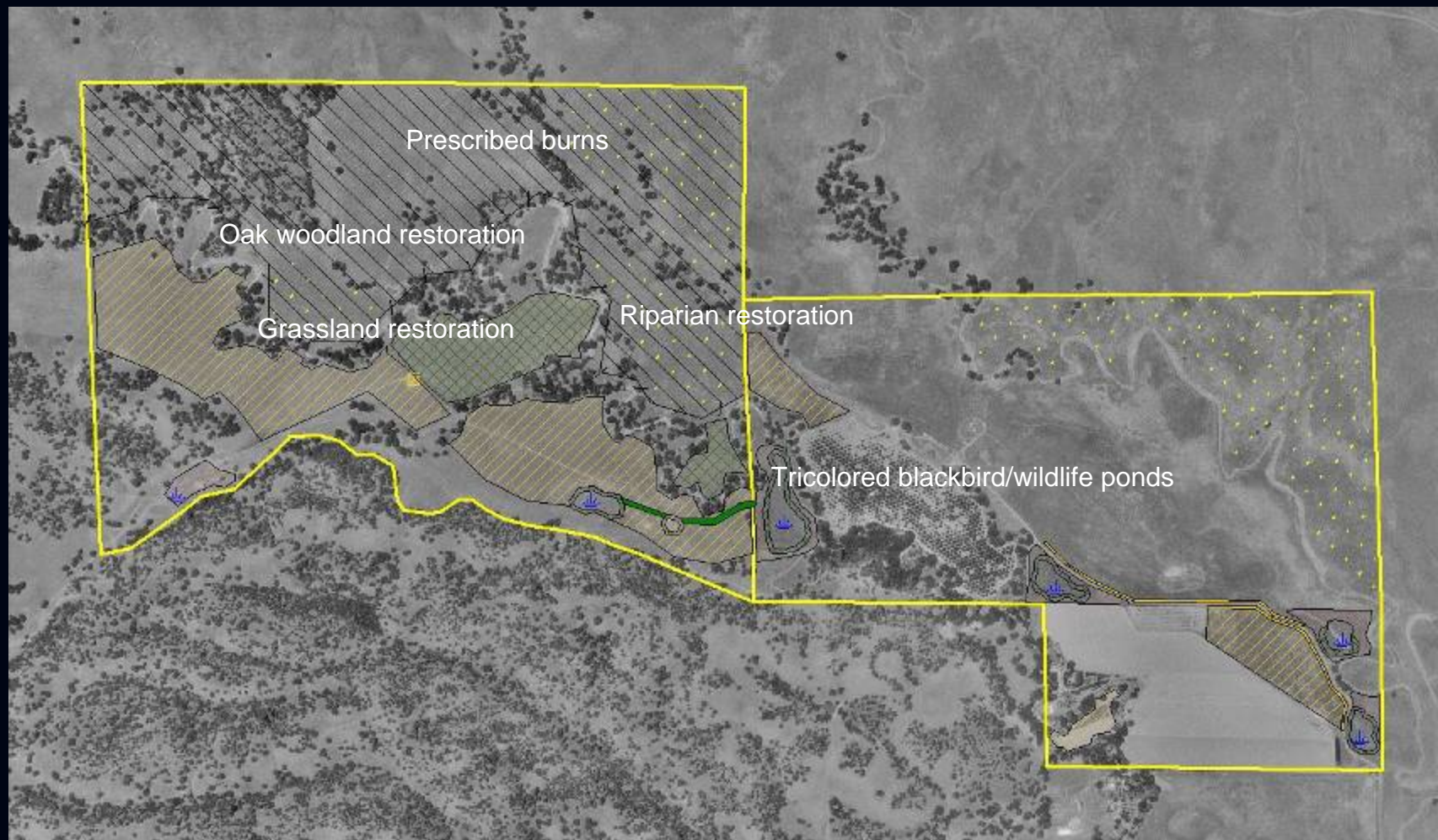
Audubon Bobcat Ranch

- 6,800 acre working ranch
- Blue oak woodland, savannah, chaparral
- Management Plan
- Ongoing restoration/research

Location



Habitat Restoration





Oak Woodlands

- 67% remaining in state, only 4% protected
- 300 native species in oak woodlands statewide
- Threatened by lack of stand diversity







Oak Woodland Restoration



Riparian Restoration



SLEWS Program



Native Perennial Grassland Restoration





Native Perennial Grasslands Year 1



Prescribed Fire



Native Perennial Grasslands Year 2



Native Perennial Grasslands Year 3



